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**Apparatus and method for assembling circuit structures.**

Apparatus and method for assembling circuit structures in an assembly line process. The apparatus responds to a set of program instructions by selecting components in a predefined sequence from a plurality of components and aligns each selected component to correspond with an orientation defined by the program instruction set required to mount the selected component at a specific location on a circuit board. The apparatus is controlled by the program instruction set to electrically configure and program each selected and aligned component in real-time in accordance with a configuring and programming subset of the program instruction set and to install each configured component at a predefined circuit board location.































